



COMMONWEALTH of VIRGINIA

Department of Health
DIVISION OF SHELLFISH SANITATION
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TANGIER, GOOSE AND WATTS ISLANDS **Accomack County** **Growing Area # 078** **Shoreline sanitary Survey**

Date: December 13, 2005

Survey Date: September 12, 2005

Total Number of Properties Surveyed: 75

Surveyed by: R.S. Bisker and P.H. Widgen

SECTION A: GENERAL

The survey area consists of the island groups of Tangier, Goose and Watts Islands. Tangier and Goose Islands are located between Chesapeake Bay and Tangier Sound. Watts Island is located between Tangier Sound and Pocomoke Sound. Tangier Island tributaries are Beach Creek, Cod Harbor, West Ridge Creek, Canton Creek, Mailboat Harbor, Tangier Creek, Oyster Creek Gut, Toms Gut, Fishing Gut, Oyster Creek and all of their tributaries.

All of the islands have very low elevations. The most populated is Tangier with approximately 700 persons. Tangier Island has three ridges on the main island, of which Canton is the highest with an elevation of 10'. The Tangier Island group is the largest of the islands, having low marshlands interlaced with many streams, guts and tidal ponds. A high water table is evident on all of the islands. The economy of Tangier Island is based primarily on seafood harvesting and tourism.

The last completed survey of the area was conducted in 1992. At that time most all of Tangier, with the exception of several privies and septic systems, was served by the Tangier Town Sewer System. This sewage treatment facility (property #1) presently serves all of Tangier with a designed capacity of 1,000 persons. (Tangier treatment plant schematic and facility layout are available from the Division central office.) Port Isabel Island separated from Tangier by marsh and tidal waters is not served by the sewage treatment system. A house to house survey on Isabel found no deficiencies for any of the six properties. Also on the northern most tip of Tangier we surveyed a hunting lodge property that was served by a private submerged absorption system.

There are 68 offshore properties located near or in Mailboat Harbor. Neither of these properties is served by the sewage treatment facility. All of the properties serve as the docking station for the waterman's larger, off-shore bay boats. Many of these properties also serve as crab shedding operations. The Division of Shellfish Sanitation has classified as restricted, all of the waters in Mailboat Harbor and its tributaries.

The current restriction on shellfish harvesting is Condemned Shellfish Area # 078-086, Tangier Island, reissued 2 November 2005.

Information in this report is gathered by and primarily for use of the Division of Shellfish Sanitation, Virginia State Department of Health, in order to fulfill its responsibilities of shellfish growing area supervision and classification. However, the data are made available to various agencies participating in shellfish program coordinated activities or other interested parties. Report copies are provided to the local health department for corrective action of deficiencies listed in Sections B and C and the Virginia Water Control Board for classifications listed in Section D. Local health units are not responsible for correction of properties listed in Sections A and D.

This report lists only those properties which have a sanitary deficiency or have other environmental significance. Individual field forms with full information on properties listed in this report are on file in the Richmond Office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent resurvey of the area.

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT FACILITIES

1. Town of Tangier, Tangier 23440. Public- sewage treatment facility. Serves approximately 700 persons. Facilities consist of a comminutor with bar screen bypass, aerated grit chamber, flow measurement equipment, surge tanks, aerated 3-day emergency holding pond, dual primary clarifiers, dual biological reactors, dual secondary clarifiers, final 3-day holding pond, and chlorine contact tank. The system is designed for a total average flow of 0.1 mgd or a total equivalent population of 1,000 persons with a peak flow of 0.25 mgd. The sewage system includes 13 pump stations: 8 with grinder pump units and 5 with submersible pumps. Treated effluent is discharged into the Chesapeake Bay from the western shore of the island.

ON-SITE SEWAGE DEFICIENCIES

-None-

POTENTIAL POLLUTION

-None-

SECTION C: NONSEWAGE WASTE SITES

-None-

SECTION D: BOATING ACTIVITY

MARINAS

3. Milton Parks, Tangier 23440. Marine - private marina. ? persons. No contact. Can accommodate a maximum of 20 boats. Boating services provided are water and electricity. Sanitary facilities provided are 1 commode, 1 urinal, 1 lavatory, and 1 shower for women, and are served by the Tangier Town sewer system. There are no boat holding tank pump-out facilities provided at this location.
6. Tangier Oil Co., Dennis K. Crockett, P.O. Box 246, North Main St., Tangier 23440. Marine - private marina. ? persons. No contact. Can accommodate a maximum of 12 boats. Boating services provided are fuel and electricity. Sanitary facilities provided are 1 commode and 1 lavatory which are served by the Tangier Town sewer system. There are no boat holding tank pump-out facilities provided at this location.

OTHER PLACES WHERE BOATS ARE MOORED

2. Pruitt's Boat Yard, (Jerry F. Pruitt), P.O. Box 61 Tangier 23440. Marine - private pier. ? persons. No contact. Can accommodate a maximum of 15 boats of length 26'-39'. The only boating service provided is a marine railway. A sanitary facility provided is a pit privy. There is no boat holding tank pump-out facilities provided at this location.
4. Town Boat Dock (Town of Tangier), Tangier 23440. Marine - public boat dock. ? persons. No contact. Can accommodate a maximum of 22 boats. The only boating service provided is electricity. There are no sanitary facilities and no boat holding tank pump-out facilities provided at this location.
5. William Parks Boat Dock (William Parks), Tangier 23440. Marine - private boat dock. ? persons. No contact. Can accommodate a maximum of 8 boats. Sanitary facilities provided are 1 commode and 1 lavatory which are served by the Tangier Town sewer system. There are no boating services and no boat holding tank pump-out facilities provided at this location.
7. Waterfront Inn (Rudy A. Thomas), Box 27, Tangier 23440. Marine - private pier. ? persons. No contact. Can accommodate a maximum of 7 boats. Sanitary facilities provided are 1 commode and 1 lavatory for men; and 1 commode and 1 lavatory for women which is served by the Tangier Town sewer system. There are no boating services and no boat holding tank pump-out facilities provide at this location.
9. Crockett Boat Yard (Bobby "Bob Bell" Crockett), Tangier 23449. Marine - private pier. ? persons. No Contact. Can accommodate a maximum of 8 boats. The only boating service provided is a marine railway. There are no sanitary facilities and no boat holding tank pump-out facilities provided at this location.
10. Canton Creek Docks (Town of Tangier), Tangier 23440. Marine - Public pier. ? persons. No contact. Can accommodate a maximum of 25 boats. There are no boating services, no sanitary facilities, and no boat holding tank pump-out facilities provided at this location.

UNDER SURVEILLANCE

8. Marshall Pruitt, Tangier 23440. Marine - private pier. ? persons. No contact. Can accommodate a maximum of 3 boats. Sanitary facilities are provided in owner's home and are served by the Tangier Town sewer system. There are no boating services and no boat holding tank pump-out facilities provided at this location.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

-None-

SUMMARY

Area # 078

Bayside: Tangier, Goose & Watts Islands

December 13, 2005

1. SEWAGE TREATMENT FACILITIES

1 – Direct – # 1

0 – Indirect – None

1 - B. 1. TOTAL

2. ON-SITE SEWAGE DEFICIENCIES

0 – CONTRIBUTES POLLUTION

0 – CP (Kitchen or Laundry Wastes)

0 – NO FACILITIES

0 – B.2. TOTAL

3. POTENTIAL POLLUTION

0 – POTENTIAL POLLUTION

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

0 – C.1. TOTAL

2. SOLID WASTE DUMPSITES

0 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

2 – MARINAS - # 3, 6.

6 – OTHER PLACES WHERE BOATS ARE MOORED - # 2, 4, 5, 7, 9, 10.

1 – UNDER SURVEILLANCE - # 8.

9 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

0 – E. TOTAL

